

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072044 A2

(51) International Patent Classification: Not classified

(74) Agent: DE CASTRO, Joubert Gonçalves; Praia de Icarai, 237/1301-B, CEP-24230-003 Icarai-Niteroi, RJ (BR).

(21) International Application Number:
PCT/BR2005/000012

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI0402375-7 30 January 2004 (30.01.2004) BR

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): COPPE/UFRJ - COORDENAÇÃO DOS PROGRAMAS DE PÓS GRADUAÇÃO DE ENGENHARIA DA UNIVERSIDADE FEDERAL DO RIO DE JANEIRO [BR/BR]; Centro de Tecnologia, S/Nº Bloco G, CEP-21945-970 Ilha do Fundão, RJ (BR).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

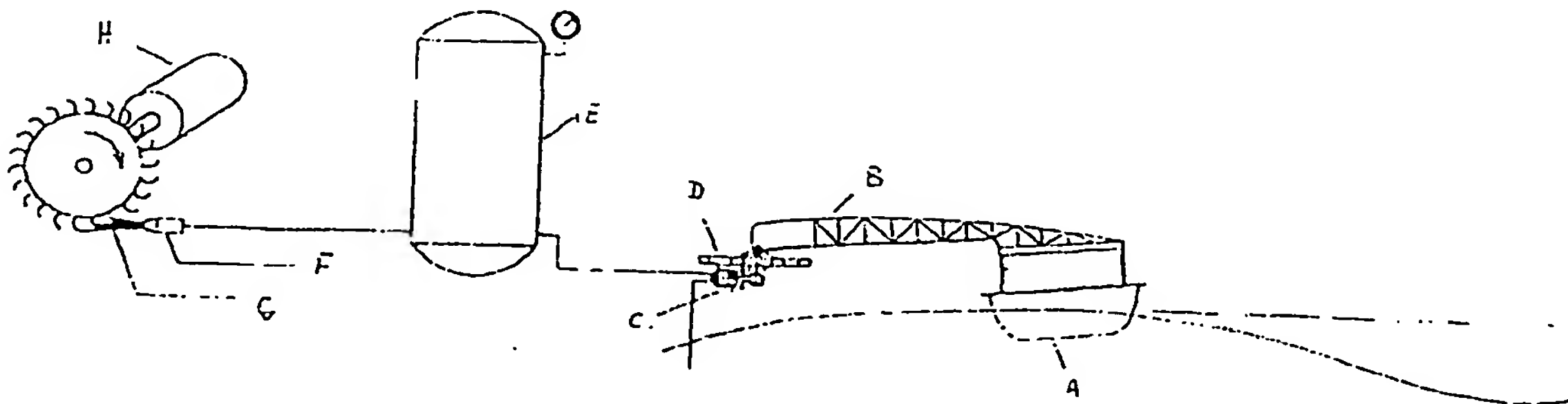
(75) Inventors/Applicants (for US only): ESTEFEN, Segen Farid [BR/BR]; Rua Filadélfia, 8, Santa Tereza, CEP-22261-001 Rio de Janeiro-RJ (BR). DA COSTA, Paulo Roberto [BR/BR]; Rua Viaduto Cristóvão Colombo, 159, Bloco 5 - apto 301, CEP-20771-070 Pilares-RJ (BR). PINHEIRO, Marcelo Martins; Rua Professora Zuleica, 266, Ilha da Conceição, CEP-21941-984 Niterói- RJ (BR).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WAVE ENERGY PLANT FOR ELECTRICITY GENERATION



(57) Abstract: The innovation herein proposed describes a plant operated by the movement of floaters connected to horizontal arms. These arms move hydraulic pumps, which inject water into the hyperbaric chamber. This chamber supplies water through an outflow control valve, to set in motion a conventional turbine that connected to electric generator supplies electricity.

WO 2005/072044 A2